

CLAIMS

1. Process for manufacturing a moulded part, in which the moulded part is obtained by moulding at least one composite sandwich, the said sandwich  
5 incorporating an expansion agent that reacts during moulding.
2. Process according to Claim 1, characterized in that the expansion agent is incorporated into the core of the sandwich.
3. Process according to Claim 1, characterized in that the expansion agent is applied to the core and/or its skin.
- 10 4. Moulded part or composite, having an amplitude of surface corrugations or irregularities of less than 50  $\mu\text{m}$  and a density of around 30 to 1200  $\text{kg/m}^3$ .
5. Composite sandwich comprising at least one core provided on at least one of its faces with at least one composite skin comprising at least one reinforcing material, and comprising at least one expansion agent capable of  
15 reacting at the moulding temperature of the sandwich.